

Kentucky Seed Law Regulations

12 KAR 1:115. Sampling, analyzing, testing, and tolerances.

RELATES TO: KRS 250.021, 250.081(1)(c)2, (2)(b), (g)

STATUTORY AUTHORITY: KRS 250.081(1)(c)2, (2)(b), (g)

NECESSITY, FUNCTION, AND CONFORMITY: KRS 250.081(1)(c)2 requires the director to promulgate administrative regulations to establish requirements for the seed sampling procedures, methods of analysis, testing and examining of seed, and tolerances. This administrative regulation prescribes the methods of sampling, analyzing and testing seed, and establishes the tolerances to be applied.

Section 1. Seed shall be sampled, analyzed, tested, or examined in accordance with the methods established in "Rules for Testing Seeds".

Section 2. Tolerances shall be applied in accordance with the methods established in "Rules for Testing Seeds".

Section 3. Incorporation by Reference. (1) "Rules for Testing Seeds", (1997 Edition), Association of Official Seed Analysts, is incorporated by reference.

(2) The material may be inspected, copied, or obtained at the Division of Regulatory Services, 103 Regulatory Services Building, University of Kentucky, Lexington, Kentucky 40546-0275, Monday through Friday, 8 a.m. to 4:30 p.m. (20 Ky.R. 3322; eff. 8-24-94; Am. 22 Ky.R. 1324; eff. 2-15-96; 25 Ky.R. 1943; 2355; eff. 4-14-99.)

12 KAR 1:120. Noxious weed seed.

RELATES TO: KRS 250.081(1)(c)3

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To designate the kinds of weed seed to be considered noxious in Kentucky and to establish their maximum permitted rate of occurrence in agricultural seed.

Section 1. Noxious Weed Seed. (1) The following kinds of weed seed are designated noxious in Kentucky and the maximum permitted rate of occurrence per pound of agricultural seed shall be as follows:

Name of Kind	Allowed Per Pound
Balloon vine (<i>Cardiospermum halicacabum</i>)	0
Purple moonflower (<i>Ipomoea turbinata</i>)	0
Canada thistle (<i>Cirsium arvense</i>)	0
Johnsongrass (<i>Sorghum halepense</i> and <i>sorghum alnum</i>) and perennial rhizomatous derivatives of these)	0
Quackgrass (<i>Agropyron repens</i>)	0
Annual bluegrass (<i>Poa annua</i>)	256
Buckhorn plantain (<i>Plantago lanceolata</i>)	304
Corncockle (<i>Agrostemma githago</i>)	192

Dodder (<i>Cuscuta</i> spp.)	192
Giant foxtail (<i>Setaria faberii</i>)	192
Oxeye daisy (<i>Chrysanthemum leucanthemum</i>)	256
Sorrel (<i>Rumex acetosella</i>)	256
Wild onion and wild garlic (<i>Allium</i> spp.)	96

(2) Other limitations.

(a) Seed which contains in excess of a sum total of 480 noxious weed seed per pound (subject to the above limitations) is prohibited from sale in Kentucky.

(b) There shall be no tolerance applied to prohibited noxious weed seed. (20 Ky.R. 3323; eff. 8-24-94.)

12 KAR 1:125. Identification of seed not for sale.

RELATES TO: KRS 250.081(1)(c)4

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To indicate means for identifying seed in storage or in or consigned to a seed cleaning or processing plant, but not offered for sale in locations where some, but not all, seed is for sale. This administrative regulation is needed to facilitate fair and efficient inspection by enforcement officers.

Section 1. The following procedure shall be used if some, but not all, seed in or consigned to a seed cleaning or processing establishment is planned for distribution:

(1) All seed lots shall be maintained separately to prevent the accidental or mechanical mixing of different lots.

(2) All seed not intended for distribution shall be clearly identified with printed signs which indicate the owner or the specific intended use of the seed.

Section 2. All seed intended for distribution shall be plainly identified with a tag on each container, or with a lot number stenciled or taped on each container. If the seed is in a box, frame, crib, wagon, or other enclosed space, that storage space shall be construed to be a container. (20 Ky.R. 3324; eff. 8-24-94.)

12 KAR 1:130. Labeling of seed mixtures.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe a uniform manner of avoiding contradictory information on printed seed bags and on tags attached to the printed bags in situations where analysis after bagging reveals that a mixture of seed kinds is present rather than a single seed kind.

Section 1. Labeling Tall Fescue and Orchardgrass Seed Mixtures in Printed Bags. (1) Seed of mixtures sold in a bag printed with the words "Kentucky 31 Tall Fescue" on the front (broad) side shall have a seed tag attached that complies with applicable statutes, and the words "and Orchardgrass Mixture" printed or applied by stencil on the front (broad) side of the bag in lettering that is at least one (1) inch high and located no more than three (3) inches from the "Kentucky 31 Tall Fescue" letters.

(2) Seed in a bag on which "Kentucky 31 Tall Fescue" is printed on the back (broad) side shall have the words "and Orchardgrass Mixture" printed on the back (broad) side of the bag and the words "and Orchardgrass Mixture" printed or applied by stencil on the bag in lettering that is at least one (1) inch high and located no more than three (3) inches from the "Kentucky 31 Tall Fescue" letters.

Section 2. The information on the bag of other kinds of mixtures in printed bags shall be the same as the information on the attached tag. If alteration of a printed bag is necessary to show that the seed is a mixture, the alteration shall be accomplished by use of stencil on the bag in lettering that is at least one (1) inch high and that is located no more than three (3) inches from the original lettering. (20 Ky.R. 3324; eff. 8-24-94.)

12 KAR 1:135. Tags available for purchase from the director.

RELATES TO: KRS 250.081(1)(c)8

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe types of seed tags and prices of each different tag type which is available for purchase from the director.

Section 1. Tags may be obtained from the Division of Regulatory Services, College of Agriculture, University of Kentucky. Charges shall be as indicated below:

Form	Kind of Seed	Maximum Bag Weight	Charge (dollars)
A	Alfalfa, clovers and grasses, except mixtures	25 pound	0.08
A	"	50 pound	0.16
A	"	75 pound	0.20
A	"	100 pounds	0.24
B	All other seed except mixtures	25 pound	0.04
B	"	50 pound	0.08
B	"	75 pound	0.12
B	"	100 pounds	0.16
C	Mixtures	25 pound	0.08
C	"	50 pound	0.16
C	"	75 pound	0.20
C	"	100 pounds	0.24

Section 2. If tags are purchased for containers weighing over 100 pounds or for seed in bulk, the number of tags purchased shall be identical to the number which would have been purchased if the seed had been in 100-pound containers.

Section 3. Tags are of two (2) types: unprinted and printed. Unprinted tags are completely blank, whereas printed tags contain the words "Lot," "Seedsman," "Address," "Kind," "Variety," "Pure Seed," "Inert Matter," "Crop Seed," "Weed Seed," "Germination," "Hard Seed," "Date of Test," and "Where Grown" with blank underlined spaces for entry by the tag purchaser of information which applies to the seed being labeled. (20 Ky.R. 3325; eff. 8-24-94.)

12 KAR 1:140. Permits, reports, and fees for persons using own tags.

RELATES TO: KRS 250.081(1)(c)7

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe procedures to obtain a permit to label and distribute agricultural seed in Kentucky; to pay inspection fees for agricultural seed based upon kind and amount of seed distributed; and to obtain a permit to label and distribute vegetable seed, flower seed, or combination mulch, seed, and fertilizer products in Kentucky.

Section 1. Obtaining Permits. (1) Application for permits to label agricultural seed shall be made on Form RS-64-01c, "Application for Permit for User to Provide Own Labels for Agricultural Seed and Mixtures of Agricultural Seed Sold in Kentucky."

(2) Application for permits to label vegetable seed, flower seed, or combination mulch, seed and fertilizer products shall be made on Form RS-65-01d, "Application for Permit for User to Provide Own Labels for Vegetable Seed, Flower Seed, or Combination Mulch, Seed and Fertilizer Products Sold in Kentucky."

Section 2. Reporting Sales. (1) A person who has been granted a permit to label agricultural seed under the provisions of this subsection shall submit quarterly reports and pay a labeling and inspection fee determined on the basis of quantity of seed sold and on the fee schedule established herein.

(2) Quarters are January through March, April through June, July through September, and October through December. An added assessment of twenty-five (25) dollars or ten (10) percent of the unpaid fee, whichever is greater, shall be made for each seed quarterly report (Form RS-65-02c) received more than forty-five (45) days after the quarter ends.

Section 3. Inspection fee for agricultural seed permit holders shall be:

(1) For packages weighing one (1) pound and up to and including twenty-five (25) pounds:

(a) Alfalfa, clovers, and grasses (including mixtures): eight (8) cents per package.

(b) All other seed: four (4) cents per package.

(2) For packages in excess of twenty-five (25) pounds in weight but not exceeding fifty (50) pounds:

(a) Alfalfa, clovers, and grasses (including mixtures): sixteen (16) cents per package.

(b) All other seed: eight (8) cents per package.

(3) For packages in excess of fifty (50) pounds in weight but not exceeding seventy-five (75) pounds:

(a) Alfalfa, clovers, and grasses (including mixtures): twenty (20) cents per package.

(b) All other seed: twelve (12) cents per package.

(4) For packages in excess of seventy-five (75) pounds in weight but not exceeding 100 pounds:

(a) Alfalfa, clovers, and grasses (including mixtures): twenty- four (24) cents per package.

(b) All other seed: sixteen (16) cents per package.

(5) For packages in excess of 100 pounds and seed distributed in bulk:

(a) Alfalfa, clovers, and grasses (including mixtures): twenty- four (24) cents per 100 pounds.

(b) All other seed: sixteen (16) cents per 100 pounds.

Section 4. Incorporation by Reference. (1) The following material is incorporated by reference:

(a) "Application for Permit for User to Provide Own Labels for Agricultural Seed and Mixtures of Agricultural Seed Sold in Kentucky" (RS-64-01c).

(b) "Application for Permit for User to Provide Own Labels for Vegetable Seed, Flower Seed, or Combination Mulch, Seed and Fertilizer Products" (RS-65-01d); and

(c) "Seed Quarterly Report" (RS-65-02c).

(2) These documents may be inspected, obtained, or copied at the Division of Regulatory Services, 103 Regulatory Services Building, University of Kentucky, Lexington, Kentucky 40546-0275, 8 a.m. to 4:30 p.m., Monday through Friday. (20 Ky.R. 3326; eff. 8-24-94.)

12 KAR 1:145. Registration of agricultural seed dealers, noncertified custom seed conditioners, certified seed growers, and certified seed conditioners.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe the procedures whereby agricultural seed dealers, noncertified custom seed conditioners, certified seed growers and certified seed conditioners register with the Division of Regulatory Services.

Section 1. Agricultural seed dealers (persons who distribute agricultural seed in containers of forty (40) pounds or more at retail) shall register using Form RS-65-03a, "Dealer Registration." A twenty-five (25) dollar registration fee shall accompany the submitted application form.

Section 2. Noncertified custom seed conditioners shall register using Form RS-65-03c, "Noncertified Custom Seed Conditioner Registration." A twenty-five (25) dollar registration fee shall accompany the submitted application form.

Section 3. Registration of certified seed growers and certified seed conditioners shall be accomplished by an exchange of records between the Kentucky Seed Improvement Association and the Division of Regulatory Services.

Section 4. Incorporation by Reference. (1) The following material is incorporated by reference:

(a) Form RS-65-03a, "Agricultural Seed Dealer Registration."

(b) Form RS-65-03c, "Noncertified Custom Seed Conditioner Registration."

(2) These documents may be inspected, obtained, or copied at the Division of Regulatory Services, 103 Regulatory Services Building, University of Kentucky, Lexington, Kentucky 40546-0275, 8 a.m. to 4:30 p.m., Monday through Friday. (20 Ky.R. 3327; eff. 8-24-94.)

12 KAR 1:150. Stop sale orders.

RELATES TO: KRS 250.081(1)(c)5

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To provide a means of taking administrative action in the form of a "Stop Sale Order" on seed found by analysis, test, examination, or representation to be in violation of the Kentucky Seed Law.

Section 1. A written or verbal (followed by a written) stop sale order may be issued on any lot of seed found by analysis, test or examination, or upon examination of the label or other graphic or printed representations, or any lot which the director has reasonable cause to believe is in violation of the Kentucky Seed Law and administrative regulations pertaining thereto. Seed under a stop sale order shall not be sold, exposed or offered for sale and shall not be moved from the point where the stop sale order was issued until requirements of the Kentucky Seed Law and administrative regulations have been met and a release has been issued by the director.

Section 2. Conditions for release shall be:

(1) Correction of the deficiencies for which the stop sale order was issued; and

(2) A request in writing or by phone (followed by written request) by the person to whom the stop sale order was issued.

Section 3. Incorporation by Reference. (1) The following material is incorporated by reference: "Notice of violation and stop sale" (RS-30-5c).

(2) This document may be inspected, obtained, or copied at the Division of Regulatory Services, 103 Regulatory Services Building, University of Kentucky, Lexington, Kentucky 40546-0275, 8 a.m. to 4:30 p.m., Monday through Friday. (20 Ky.R. 3328; eff. 8-24-94.)

12 KAR 1:155. Schedule of charges for samples submitted for testing.

RELATES TO: KRS 250.081(1)(c)6

STATUTORY AUTHORITY: KRS 250.08

NECESSITY, FUNCTION, AND CONFORMITY: To establish a schedule of charges for service tests, analysis, and examination of seed samples in the Kentucky Agricultural Experiment Station Seed Laboratory.

Section 1. The following service charges shall be assessed for samples submitted to the Kentucky Agricultural Experiment Station Seed Laboratory:

(1) Basic charge list.

Kind of Seed	Complete Test	Purity and Noxious Weed Test	Germination Only
Alfalfa	\$14.00	\$ 7.00	\$ 8.00
Bentgrass	16.00	12.00	8.00
Bermudagrass	16.00	12.00	8.00
Bluegrass	16.00	12.00	10.00
Bromegrass	16.00	12.00	8.00
Cereals	11.00	5.00	7.00
Clovers	14.00	7.00	8.00
Corn	14.00	7.00	8.00
Crownvetch	14.00	7.00	8.00
Fescue	15.00	8.00	8.00
Lespedeza	14.00	8.00	7.00
Lovegrass	16.00	12.00	8.00
Millet	11.00	5.00	7.00
Orchardgrass	18.00	11.00	8.00
Redtop	16.00	12.00	8.00
Ryegrass	18.00	6.00	8.00
Sorghum-Sudangrass	11.00	5.00	7.00
Soybean	12.00	6.00	7.00
Sudangrass	11.00	5.00	7.00

Timothy	14.00	7.00	8.00
Tobacco	16.00	12.00	8.00
Vegetables	14.00	10.00	7.00
Vetch	11.00	5.00	7.00

(2) Nonresidents will be assessed an additional charge of two (2) dollars per sample. Any Kentucky citizen may submit one (1) seed sample per year for a complete test free of charge provided the sample is accompanied by a signed statement: "I certify that I have not previously submitted a sample for free test during the current calendar year."

(3) A complete test includes a purity analysis, a noxious weed seed examination (for Kentucky only), and a germination test.

(4) Purity and noxious weed includes a purity analysis and a noxious weed seed examination (for only those seed designated as noxious in Kentucky).

(5) In ryegrass samples, a complete test includes a fluorescence test which distinguishes perennial ryegrass seed and annual ryegrass seed.

(6) Mixtures, difficult, or dirty samples may be charged an additional eight (8) dollars per hour for extra separation time. Each component over five (5) percent of the total in mixtures shall be charged individually for germination testing.

(7) Rush service may be provided upon request at an additional charge of fifteen (15) dollars per sample.

(8) Schedule of charges for special tests:

(a) Noxious weed seed examination for Kentucky only: eight (8) dollars.

(b) Noxious weed seed examination for any other or for all states: ten (10) dollars.

(c) Moisture test: four (4) dollars.

(d) Seed count per pound: four (4) dollars.

(e) Soybean hypocotyl color test: twelve (12) dollars.

(f) Vigor test (accelerated aging): nine (9) dollars.

(g) Tetrazolium test: twelve (12) dollars.

(h) Phenol test of wheat: twelve (12) dollars.

(i) Peroxidase test of soybeans: twelve (12) dollars.

(j) Seed or plant tall fescue endophyte:

1. One (1) to fifty (50) specimens of same seed lot or uniquely identified group of plants: thirty-five (35) dollars.

2. Fifty-one (51) to 100 specimens of same seed lot or uniquely identified group of plants: sixty (60) dollars.

3. 101 to 150 specimens of same seed lot or uniquely identified group of plants: eighty-five (85) dollars.

(k) Reexamination of a sample to secure information not requested initially, or any analysis or test to obtain information not specifically required by the Kentucky Seed Law may be assessed eight (8) dollars per hour for analytical time.

(9) Charges for kinds not listed above shall be in accord with charges made for other kinds of seed of similar size. (20 Ky.R. 3329; eff. 8-24-94.)

12 KAR 1:160. Seed not required to be labeled by variety name.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To designate the kinds of seed for which labeling of variety name is not required. For all other kinds, the variety name is an essential part of the information on the label.

Section 1. The following kinds of seed are omitted from the requirement for labeling to show the variety name and the statement "Variety Unknown":

- (1) Bermudagrass (*Cynodon dactylon*).
- (2) Bluegrass, Canada (*Poa compressa*).
- (3) Bluegrass, Rough (*Poa trivialis*).
- (4) Bromegrass, Field (*Bromus arvensis*).
- (5) Buckwheat (*Fagopyrum esculentum*).
- (6) Canarygrass (*Phalaris canariensis*).
- (7) Clover, Alsike (*Trifolium hybridum*).
- (8) Fescue, Chewings (*Festuca rubra*, var *commutata*).
- (9) Fescue, Meadow (*Festuca elatior*).
- (10) Lespedeza, Korean (*Lespedeza stipulacea*).
- (11) Lespedeza, Striate (*Lespedeza striata*).
- (12) Lovegrass, Sand (*Eragrostis trichodes*).
- (13) Lovegrass, Weeping (*Eragrostis curvula*).
- (14) Millet, Browntop (*Panicum ramosum*).
- (15) Millet, Foxtail (*Setaria italica*).
- (16) Millet, Japanese (*Echinochloa crusgalli*).
- (17) Millet, Proso (*Panicum miliaceum*).
- (18) Rape (*Brassica* spp.).
 - (a) Annual (*B. napus*, var *annua*).
 - (b) Turnip, Annual or Bird (*B. campestris*).
 - (c) Turnip, Biennial (*B. campestris*, var *autumnalis*).
- (19) Redtop (*Agrostis alba*).
- (20) Sweetclover, White (*Melilotus alba*).

(21) Sweetclover, Yellow (*Melilotus officinalis*).

(22) Vetch, Common (*Vicia sativa*).

(23) Vetch, Hairy (*Vicia villous*). (20 Ky.R. 3330; eff. 8-24-94.)

12 KAR 1:165. Germination standards for vegetable seed.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe standards for vegetable seed germination. If germination is equal to or above the standard, only the year for which the seed was packed must be shown. If germination is below the standard, the exact germination percentage must be shown.

Section 1. The following standards for the germination of the kinds of vegetable and herb seed listed below are hereby adopted:

Kind	Percent
Anise	50
Basil, Sweet	70
Caraway	55
Chervil, Salad	65
Coriander	70
Corn, Pop	75
Dill	60
Fennel, Florence	60
Fennel, Sweet	50
Oregano	60
Marjoram, Sweet	50
Peanut	60
Roquette	60
Rosemary	30
Sage	60
Savory, Summer	55
Thyme	50

The germination standard for all other vegetable and herb seed for which standards have not been established shall be fifty (50) percent. (20 Ky.R. 3331; eff. 8-24-94.)

12 KAR 1:170. Germination standards for flower seed.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe standards for flower seed and to list those kinds for which standard testing procedures are prescribed. The information required to be shown on the label is dependent upon whether or not standard testing procedures have been prescribed and whether or not a lot being labeled falls above or below the standard.

Section 1. Flower Seed Standards. (1) The kinds of flower seed listed below are those for which standard testing procedures have been prescribed. Common names are listed first, followed by Latin names. The percentage listed opposite each kind is the germination standard for that kind. For the kinds marked with an asterisk, the percentage is the total of percentage germination and percentage hard seed. For other kinds, it is the percentage germination.

Kind	Germination %
Archillea (The Pearl) - <i>Achillea ptarmica</i>	50
African daisy - <i>Dimorphotheca aurantiaca</i>	55
African violet - <i>Saintpaulia</i> spp.	30
Ageratum - <i>Ageratum mexicanum</i>	60
Agrostemma (rose campion) - <i>Agrostemma coronaria</i>	65
Alyssum - <i>Alyssum compactum</i> , <i>A. maritimum</i> , <i>A. procumbens</i> , and <i>A. saxatile</i>	60
Amaranthus - <i>Amaranthus</i> spp.	65
Anagalis (Primpernel) - <i>Anagalis arvensis</i> , <i>A. coerulea</i> , and <i>A. grandiflora</i>	60
Anemone - <i>Anemone coronaria</i> , and <i>A. pulsatilla</i>	55
Angel's trumpet - <i>Datura arborea</i>	60
Arabis - <i>Arabis alpina</i>	60
Arctotis (African lilac daisy) - <i>Arctotis grandis</i>	45
Armeria - <i>Armeria formosa</i>	55
Asparagus, Fern - <i>Asparagus plumosus</i>	50
Asparagus, Sprenger - <i>Asparagus sprengeri</i>	55
Aster, China - <i>Callistephus chinensis</i> ; except Pompon, Powderpuff, and Princess types	55
Aster, China - <i>Callistephus chinensis</i> ; Pompon, Powderpuff, and Princess types	50
Aubretia - <i>Aubretia deltoidea</i>	45
Baby Smilax - <i>Asparagus asparagoides</i>	25

Balsam - Impatiens balsamina	70
Begonia - (Begonia fibrous rooted)	60
Begonia - (Begonia tuberous rooted)	50
Bells of Ireland - Molucella laevis	60
Brachycome (Swan River daisy) - Brachycome iberidifolia	60
Browallia - Browallia elata and B. speciosa	65
Bupthalam (Sunwheel) - Bupthalam salicifolium	60
Calceolaria - Calceolaria spp.	60
Calendula - Calendula officinalis	65
California poppy - Eschscholtzia californica	60
Calliopsis - Coreopsis bicolor, C. drummondii, and C. elegans	65
Campulana:	
Canterbury bells - Campanula medium	60
Cup and saucer bellflower - Campanula medium calycanthema	60
Carpathian bellflower - Campanula carpatia	50
Peach bellflower - Campanula persicifolia	50
Candytuft, Annual - Iberis amara, and I. umbellata	65
Candytuft, Perennial - Iberis gibraltarica, and I. sempervirens	55
*Castor bean - Ricinus communis	60
Cathedral bells - Cobaea scandens	65
Celosia - Celosia argentea	65
Centaurea: Basket flower - Centaurea americana, Cornflower - C. cyanus, Dusty miller - C. candidissima, Royal Centaurea - C. imperialis, Sweet sultan - C. moschata, and Velvet Centaurea - C. gymnocarpa	60
Cerastium (Snow-in-summer) - Cerastium biebersteini and C. tomentosum	65
Chinese forget-me-not - Cynoglossum amabile	55

Chrysanthemum, Annual - Chrysanthmum carinatum, C. coronarium, and C. segetum	40
Cineraria - Senecio cruentus	60
Clarkia - Clarkia elegans	65
Cleome - Cleome gigantea	65
Coleus - Coleus blumei	65
Columbine - Aquilegia spp.	50
Coral bells - Heuchera sanguinea	55
Coreopsis, Perennial - Coreopsis lanceolata	40
Corn, Ornamental - Zea mays	75
Cosmos: Sensation, Mammoth, and Crested types - Cosmos bipinnatus; and Klondyke type - C. sulphureau	65
Crossandra - Crossandra infundibuliformis	50
Dahlia - Dahlia spp.	55
Daylily - Hemerocallis spp.	45
Delphinium, Perennial: Belladonna and Bellamosum types; Cardinal larkspur - Delphinium cardinale; Chinensis types; and Pacific giant, Gold medal, and other hybrids of D. elatum	55
Dianthus:	
Carnation - Dianthus caryophyllus	60
China pinks - Dianthus chinensis, D. heddwigi, and D. heddensis	70
Grass pinks - Dianthus plumarius	60
Maiden pinks - Dianthus deltoides	60
Sweet William - Dianthus barbatus	70
Sweet Wivelsfield - Dianthus allwoodi	60
Didiscus (Blue lace flower) - Didiscus coerulea	65
Doronicum (Leopard's bane) - Doronicum caucasicum	60
Dracaena - Dracaena indivisa	55
Dragon tree - Dracaena draco	40

English daisy - <i>Bellis perennis</i>	55
Flax:	
Golden flax - <i>Linum flavum</i> , Flowering flax - <i>L. grandiflorum</i> , and Perennial flax - <i>L. perenne</i>	60
Flowering maple - <i>Abutilon</i> spp.	35
Foxglove - <i>Digitalis</i> spp.	60
Gaillardia, Annual - <i>Gaillardia pulchella</i> and <i>G. picta</i>	45
Gaillardia, Perennial - <i>G. grandiflora</i>	45
Gerbera (transvaal daisy) - <i>Gerbera Jamesoni</i>	60
Geum - <i>Geum</i> spp.	55
Gilia - <i>Gilia</i> spp.	65
Glossy daisy (rudbeckia) - <i>Echinacea purpurea</i> and <i>Rudbeckia hirta</i>	60
Gloxinia - <i>Sinningia speciosa</i>	40
Godetia - <i>Godetia amoena</i> and <i>G. grandiflora</i>	65
Gourds:	
Yellow flowered - <i>Cucurbita pepo</i> , White flowered - <i>Lagenaria siceraria</i> , and Dishcloth - <i>Luffa cylindrica</i>	70
Gypsophila:	
Annual baby's breath - <i>Gypsophila elegans</i> ; and Perennial baby's breath - <i>G. paniculata</i> , <i>G. pacifica</i> , and <i>G. repens</i>	70
Helenium - <i>Helenium autumnale</i>	40
Helichrysum - <i>Helichrysum monstrosum</i>	60
Heliopsis - <i>Heliopsis scabra</i>	55
Heliotrope - <i>Heliotropium</i> spp.	35
Helipterum (Acroclinium) - <i>Helipterum roseum</i>	60
Hesperis (Sweet rocket) - <i>Hesperis matronalis</i>	65
*Hollyhock - <i>Althea rosea</i>	65
Hunnemannia (Mexican tulip poppy) - <i>Hunnemannia fumariaefolia</i>	60

*Hyacinth bean - Dolichos lablab	70
Impatiens - Impatiens holstii and I. sultani	55
*Ipomea:	
Cypress vine - Ipomea quamoclit; Moonflower - I. Noctiflora; and Morning glories, Cardinal climber, Hearts and Honey vine - Ipomea spp.	75
Jurusulem cross (Maltese cross) - Lychnis chalcedonica	70
Job's tears - Coix lacrymajobi	70
Kochia - Kochia childsii	55
Larkspur, Annual - Delphinium ajacis	60
Lantana - Lantana camara, L. hybrida	35
Lilium (Regal lily) - Lilium regale	50
Linaria - Linaria spp.	65
Lobelia, Annual - Lobellia erinus	65
Lunaria, Annual-Lunaria annua	65
*Lupine - Lupinus spp.	65
Marigold - Tagetes spp.	65
Marvel of Peru - Mirabilis jalapa	60
Matricaria (Feverfew) - Matricaria spp.	60
Mignonette - Reseda odorata	55
Myosotis - Myosotis alpestris, M. oblongata, and M. palustris	50
Nasturtium - Tropaeolum spp.	60
Nemesia - Nemesia spp.	65
Nemophila - Nemophila insignis	70
Nemophila, Spotted - Nemophila maculata	60
Nicotiana - Nicotiana affinis, N. sanderae, and N. sylvestris	65
Nierembergia - Nierembergia spp.	55
Nigella - Nigella damascena	55
Pansy - Viola tricolor	60

Penstemon - Penstemon barbatus, P. grandiflorus, P. laevigatus, and P. pubescens	60
Petunia - Petunia spp.	45
Phacelia - Phacelia campanularia, P. minor, and P. tanacetifolia	65
Phlox, Annual - Phlox drummondii (all types and varieties)	55
Physalis - Physalis spp.	60
Platycodon (Balloon flower) - Platycodon grandiflorum	60
Plumbago, Cape - Plumbago capensis	50
Ponytail - Beaucarnea recurvata	40
Poppy:	
Shirley poppy - Papaver rhoeas, Iceland poppy - Papaver nudicaule, Oriental poppy - P. orientale, and Tulip poppy - P. glaucum	60
Portulaca - Portulaca grandiflora	55
Primula (primrose) - Primula spp.	50
Pyrethrum (painted daisy) - Pyrethrum coccineum	60
Salpiglossis - Salpiglossis gloxinaeflora and S. sinuata	60
Salvia:	
Scarlet sage - Salvia splendens, and Mealycup sage (Blue bedder) - Salvia farinacea	50
Saponaria - Saponaria ocymoides and S. vaccaria	60
Scabiosa, Annual - Scabiosa atropurpurea	50
Scabiosa, Perennial - Scabiosa caucasica	40
Schizanthus - Schizanthus spp.	60
*Sensitive plant (mimosa) - Mimosa pudica	65
Shasta daisy - Chrysanthemum maximum and C. leucanthemum	65
Silk oak - Grevillea robusta	25
Snapdragon - Antirrhinum spp.	55

Solanum - Solanum spp.	60
Statice - Statice sinuata and S. suworonii (flower heads)	50
Stocks:	
Common - Mathiola incana and Evening scented - Mathiola bicornis	65
Sunflower - Helianthus spp.	70
Sunrose - Helianthemum spp.	30
*Sweet pea, Annual and Perennial other than dwarf bush - Lathyrus odoratus and L. latifolius	75
*Sweet pea, Dwarf bush - Lathyrus odoratus	65
Tahoka daisy - Machaeranthera tanacetifolia	60
Thunbergia - Thunbergia alata	60
Torch flower - Tithonia speciosa	70
Torenia (Wishbone flower) - Torenia fournieri	70
Tritoma - Kniphofia spp.	65
Verbena, Annual - Verbena hybrida	35
Vinca - Vinca rosea	60
Viola - Viola cornuta	55
Virginian stocks - Malcolmia maritima	65
Wallflower - Cheiranthus allioni	65
Yucca (Adam's needle) - Yucca filamentosa	50
Zinna (except Linearis and Creeping) Zinnia angustifolia, Z. elegans, Z. grandiflora, Z. gracillima, Z. haegeana, Z. multiflora, and Z. pumila	65
Zinnia, Linearis and Creeping - Zinnia linearis and Sanvitalia procumbens	50
All other kinds	50

(2) A mixture of kinds of flower seed will be considered to be below the standard if the germination of any kind or combination of kinds constituting twenty-five (25) percent or more of the mixture by number is below standard for the kind or kinds involved. (20 Ky.R. 3332; eff. 8-24-94.)

12 KAR 1:175. Seed certification in Kentucky.

RELATES TO: KRS 250.081(1)(c)1

STATUTORY AUTHORITY: KRS 250.081

NECESSITY, FUNCTION, AND CONFORMITY: To prescribe the procedure for certifying seed for varietal purity in Kentucky. Certification assures genetic identity and purity of superior plant varieties.

Section 1. Certification Procedure. (1) The procedures and standards established in the Kentucky Certified Seed Handbook shall be applied to all seed certified in Kentucky.

(2) Incorporation by reference.

(a) "Kentucky Seed Certification Standards," Kentucky Seed Improvement Association, P. O. Box 12008, Lexington, Kentucky, June 18, 1994, is incorporated by reference.

(b) This document may be inspected, copied, or obtained at the Division of Regulatory Services, 101 Regulatory Services Building, University of Kentucky, Lexington, Kentucky 40546-0275, Monday through Friday, 8 a.m. to 4:30 p.m. (20 Ky.R. 3334; eff. 8-24-94.)